

AMENDMENT

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) A carrying device for carrying an object to be processed above a base, said carrying device comprising:

(a) a pick for holding the object, the pick moving only in a first operating plane;

(b) a main arm mechanism having a proximal end supported by the base and a distal end connected to the pick, the main arm mechanism comprising at least two arms pivotally connected to each other so as ~~and adapted~~ to bend and stretch only in a the first operating plane; and

(c) an auxiliary arm mechanism including:

(c1) a base arm having a proximal end supported by the base, and a distal end, and

(c2) an arm linkage having a proximal end connected to the distal end of the ~~main~~ base arm and a distal end connected to the pick, the arm linkage comprising at least two arms pivotally connected to each other so as ~~and adapted~~ to bend and stretch only in a second operating plane intersecting the first operating plane.

2. (Currently amended) The carrying device according to claim 1, further comprising first and second drive shafts coaxially supported by the base for individual rotation, and

the proximal end of the main arm mechanism and the proximal end of the ~~main~~ base arm are connected to the first and second drive shafts, respectively.

3. (Original) The carrying device according to claim 1, wherein the first operating plane in which the main arm mechanism operates is a horizontal plane, and the second operating plane in which the auxiliary arm mechanism operates is a vertical plane.

4. (Original) The carrying device according to claim 3, wherein a joint between the base arm and the arm linkage of the auxiliary arm mechanism is at a level lower than that of a joint between the arm linkage and the pick.

5. (Original) The carrying device according to claim 3, wherein the arm linkage of the auxiliary arm mechanism is bendable in a V-shape in the vertical plane.

6. (Currently amended) A carrying device for carrying an object to be processed above a base, said carrying device comprising:

(a) first and second picks each for holding the object;

(b) a main arm mechanism adapted to bend and stretch in a first operating plane, and including:

(b1) a main arm having a proximal end supported by the base and a distal end,

(b2) a first arm having a proximal end connected to the distal end of the main arm and a distal end connected to the first pick, and

(b3) a second arm having a proximal end connected to the distal end of the main arm and a distal end connected to the second pick; and

(c) an auxiliary arm mechanism including:

(c1) a base arm having a proximal part supported by the base, and having first and second distal ends,

(c2) a first arm linkage having a proximal end connected to the first distal end of the base arm and a distal end connected to the first pick, the first arm linkage comprising at least two arms pivotally connected to each other so as and adapted to bend and stretch in a second operating plane intersecting the first operating plane, and

(c3) a second arm linkage having a proximal end connected to the second distal end of the base arm and a distal end connected to the second pick, the second arm linkage comprising at least two arms pivotally connected to each other so as and adapted to bend and stretch in a third operating plane intersecting the first operating plane.

7. (Original) The carrying device according to claim 6, wherein the base arm is configured to form a straight angle between a first extending direction from the proximal part toward the first distal end of the base arm, and a second extending direction from the proximal part toward the second distal end of the base arm, and

the first and second picks are moved in parallel to the first and second extending

directions, respectively.

8. Canceled.

9. (Original) The carrying device according to claim 6, wherein the first operating plane in which the main arm mechanism operates is a horizontal plane, and the second and third operating planes in which the auxiliary arm mechanism operates are vertical planes.

10-12. Canceled.

13. (New) A carrying device for carrying an object to be processed above a base, said carrying device comprising:

- (a) first and second picks each for holding the object;
- (b) a main arm mechanism adapted to bend and stretch in a first operating plane, and

including:

- (b1) a main arm having a proximal end supported by the base, and first and second distal ends spaced from each other,

- (b2) a first arm having a proximal end connected to the first distal end of the main arm and a distal end connected to the first pick, and

- (b3) a second arm having a proximal end connected to the second distal end of the main arm and a distal end connected to the second pick; and

- (c) an auxiliary arm mechanism including:

- (c1) a base arm having a proximal part supported by the base, and first and second distal ends,

- (c2) a first arm linkage having a proximal end connected to the first distal end of the base arm and a distal end connected to the first pick, the first arm linkage comprising at least two arms pivotally connected to each other so as to bend and stretch in a second operating plane intersecting the first operating plane, and

- (c3) a second arm linkage having a proximal end connected to the second distal end of the base arm and a distal end connected to the second pick, the second arm linkage

comprising at least two arms pivotally connected to each other so as to bend and stretch in a third operating plane intersecting the first operating plane,

wherein the base arm is configured to form an angle of less than 180° between a first extending direction from the proximal part toward the first distal end of the base arm, and a second extending direction from the proximal part toward the second distal end of the base arm, and

the first and second picks are moved in parallel to the first and second extending directions, respectively.